

Message

From: Florida Department of Environmental Protection [FloridaDEP@public.govdelivery.com]
Sent: 4/16/2021 9:12:04 PM
To: Houda, Tara [Houda.Tara@epa.gov]
Subject: Blue-Green Algal Bloom Weekly Update - April 15, 2021

View the weekly report online or visit DEP's Algal Bloom Dashboard



BLUE-GREEN ALGAL BLOOM WEEKLY UPDATE

REPORTING APRIL 9 - APRIL 15, 2021

SUMMARY

There were 18 reported site visits in the past seven days (4/9 - 4/15), with 18 samples collected. Algal bloom conditions were observed by the samplers at eight of the sites.

The satellite imagery for Lake Okeechobee from 4/14 showed low to moderate bloom potential along the shoreline of Lake Okeechobee. No bloom potential was observed in visible portions of the Caloosahatchee or St. Lucie rivers or estuaries. The satellite imagery for the St. Johns River from 4/14 showed low to moderate bloom potential on the majority of Lake George and the visible portion of the St. Johns River downstream of Lake George. Please keep in mind that bloom potential is subject to change due to rapidly changing environmental conditions or satellite inconsistencies (i.e., wind, rain, temperature or stage).

On 4/9, 4/10, 4/12, 4/13, 4/14 and 4/15, Florida Department of Environmental Protection (DEP) staff collected water samples at approximately nine locations in the area near Port Manatee in Tampa Bay in response to the Pinney Point emergency release. Bloom conditions have been observed in the localized area of previous discharges and continue to be monitored. To date results have ranged from non-detect to trace (0.34 ppb) levels of cyanotoxins. For daily updates and sampling data results, please visit [ProtectingFloridaTogether.org/pinney-point-leak/](https://protectingfloridatogether.org/pinney-point-leak/).

On 4/10, Highlands County staff collected a sample from Huckleberry Lake - Canal Entrance. The sample was dominated by *Microcystis aeruginosa* and had 19 parts per billion (ppb) microcystins detected.

On 4/12, DEP staff collected samples from Lake Okeechobee at Clewiston Boat Ramp, 5306C Structure (Lakeside) and the Pahokee Marina. The Clewiston Boat Ramp and 5306C Structure (Lakeside) samples were dominated by *Microcystis aeruginosa* and had 4.2 ppb and 22 ppb microcystins detected, respectively. The Pahokee Marina sample had no dominant algal taxon and no cyanotoxins detected.

On 4/14, DEP staff collected a sample from Lake Melva. The sample had no dominant algal taxon and a trace level (0.8 ppb) of microcystins detected.

On 4/14 and 4/15, St. Johns River Water Management District staff collected samples from Crescent Lake - Mouth of Dunns Creek; Lake Monroe - Center; Lake Joseph - Center; Lake George - Center; Slick Marsh - North and Blue Cypress Lake - Center. The Crescent Lake - Mouth of Dunns sample was dominated by *Microcystis aeruginosa* and no cyanotoxins detected, with the saxitoxin result still pending. All other analytical results are still pending.

On 4/14, Florida Fish and Wildlife Conservation Commissioners staff collected algal identification samples at Indian River - Parrish Park, Banana River - 520 Slick Boat Ramp and Indian River - Eau Gallie Pier. Cyanotoxin samples were not collected. Analytical results are still pending.

On 4/15, South Florida Water Management District staff collected a sample from the CSI Canal - 5155. Analytical results are still pending.

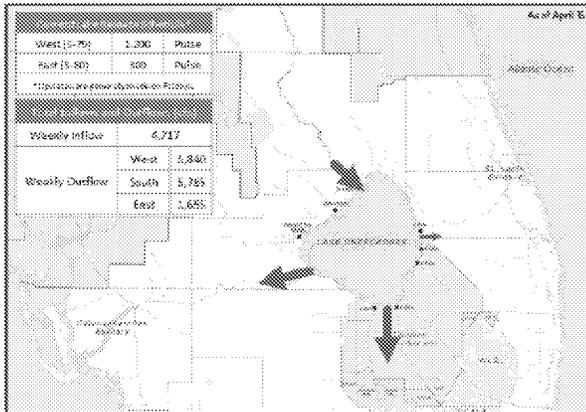
On 4/15, DEP staff collected samples from the Caloosahatchee River - Franklin Lock (579 Upstream) and Lake Winnott - 147 Bakers Acres. Analytical results are still pending.

Last Week

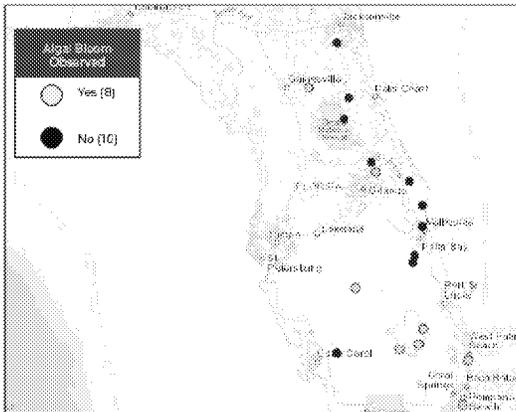
On 4/8, DEP staff collected samples from Lake Winnott - 147 Baker Acres; Lake Winnott - West Shore; Lake Winnott - Off Shore Lane; Lake Winnott - East Lobe; Lake Deer - 33rd St NW Boat Ramp; Trout Lake Canal - 35 Meters From Hwy. B; and Lake Toho - Marina Dock. Results are still pending.

This is a high-level summary of the sampling events for the reported week. For all individual and analytical result details, please refer the complete report from map with data table by clicking the "Field and Lab Details" Quick Link from the Algal Bloom Dashboard. Different types of blue-green algal blooms can look different and have different effects. However, regardless of species, many types of blue-green algae can produce toxins that can make you or your pets sick if consumed or possibly worse when under the microscope due to contact. We advise to stay out of water where algae is visibly present as species, taste or water is classified as green, blue-green or brownish-red. Additionally, pets or livestock should not come into contact with the algal bloom-impacted water, or the algal bloom material or fish on the shoreline.

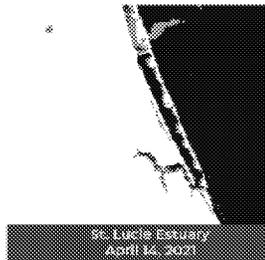
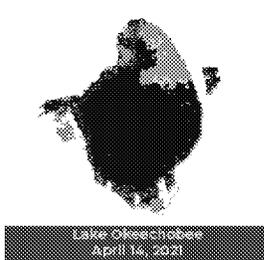
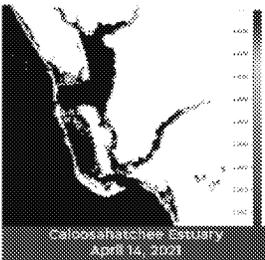
LAKE OKEECHOBEE OUTFLOWS



SITE VISITS FOR BLUE-GREEN ALGAE



Satellite imagery provided by NOAA - images are impacted by cloud-cover.



REPORTS FROM HOTLINE

17
ALGAL BLOOM REPORTS

REPORT PUBLIC HEALTH ISSUES

HUMAN ILLNESS

Florida Poison Control Centers can be reached 24/7 at 800-222-1222. (DOH provides grant funding to the Florida Poison Control Centers)

OTHER PUBLIC HEALTH CONCERNS

CONTACT DOH

(DOH county office)

Floridahealth.gov/all-county-locations.html

SALTWATER BLOOM

- Observe stranded wildlife or a fish kill
- Information about red tide and other saltwater algal blooms

CONTACT FWC

800-634-0811 (Fish kills)
888-404-3822 (Wildlife Alert)
MyFWC.com/redTide

FRESHWATER BLOOM

- Observe an algal bloom in a lake or freshwater river
- Information about blue-green algal blooms

CONTACT DEP

855-305-3903
(to report freshwater blooms)
FloridaDEP.gov/AlgalBloom

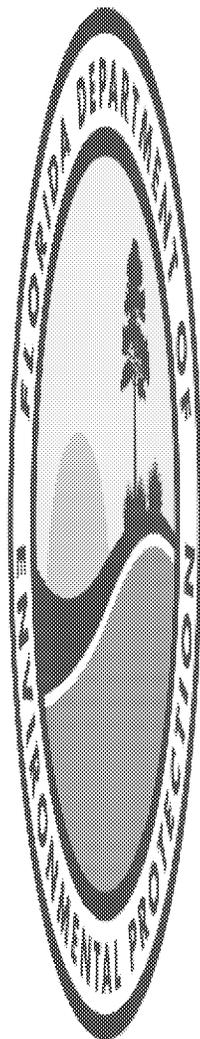
Learn more about Florida's Algal Bloom Monitoring and Response visit our Water Quality website to check the current status and to receive updates.

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View the water quality status tool at

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